OIL INDIA LIMITED
(A Govt. Of India Enterprise) Tel :033 2230 1657, 1658
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Kolkata-700001 E-mail :oilcalmn@cal2.vsnl.net.in

Tender No. & Date : KID1783L12/02 25.04.2011

Bid Security Amount : INR 0.00 OR USD 0.00
(or equivalent Amount in any currency)

Bidding Type : Single Bid (Composite Bid)

Bid Closing On : 07.06.2011 at 14:00 hrs. (IST)
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Performance Guarantee : Not Applicable

OIL INDIA LIMITED invites Limited tenders for items detailed below:

Item No./ Mat. Code	Material Description	Quantity	UOM
10 0C000295	PORTABLE CLAMP-ON ULTRASONIC FLOWMETER IS REQUIRED FOR ENERGY AUDIT AND EQUIPMENT HEALTH ANALYSIS OF OIL & GAS INSTALLATIONS BY TECHNICAL AUDIT DEPTT. PORTABLE CLAMP-ON ULTRASONIC FLOWMETER: SPECIFICATIONS OF ULTRASONIC FLOWMETER Suitable for flow measurement of liquid in all commonly used pipes DN10 to DN600 [having outer diameter ranging from 17.15 mm (0.675 inch) to 609.60 mm (24 inch)]. Material should be commissioned and training to be imperted to our engineers at Duliajan. Specification: A.General 1.Flow velocity range : 0.01 to 25 m/s 2.Resolution : 0.025 cm/s 3.Repeatibility: 0.25% of reading ± 0.02m/sec. 4.Accuracy : i)Volume flow ± 1 to 3 % of measured value depending on application, ii)± 0.5 % of measured value with process calibration iii)Flow velocity ± 0.5 % of measured value 4.Turn down ratio : 1/200 (Gaseous and solid content of medium : < 10 % of volume) B.Flow transmitter 1.Enclosure : Portable 2.Degree of protection : IP 65 3.Operating temperature : -10 to 60℃ (14...140 ℉) 4.Housing material : Weatherproof and crushproof(Aluminium,powder coated) 5.Power supply : Internal recharable battery, 6 V/4 Ah, or external power supply 9 to 15 V DC 7.Operating time : > 14 h with fully charged battery 8.Display : 2 x 16 digit LCD , dot matrix, backlit 9.Weight : Less than 4 Kg	1	NO

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	10.Power consumption : < 10 W in measurement mode 11.Signal damping : 0 to 100 s, configurable 12.Response time : 1s 13.Calculation functions : Average/difference/sum 14.Operating language : English C.Quantity and units of measurement 1.Volumetric flow rate : m3/h, m3/min, m3/s, Ltr/h, Ltr/min, Ltr/s, USgph, bls/d (barrels per day) 2.Flow velocity : m/s 3.Mass flow rate : g/s, ton/h, kg/h, kg/min 4.Volume : m3, ltr, gal (gallons) 5.Mass : g, kg, ton D.Clamp-on sensors 1.Rated pipe's nominal diameter (DN)ranging from DN10 to DN600. 2.Material : Stainless steel 4.Temperature range : -30℃ to 120 ℃ , for short periods up to 150 ℃ . 5.Degree of protection : IP 65 E.Wall thickness measurement- 1.Measuring range : 1.0mm to 200 mm 2.Resolution : 0.1 mm 3.Display: Min. four digit LCD G.Internal data Logger 1.Storage capacity : More than 25,000 measuring values 2.Logging data : All measured and totalised values, parameter sets H.Output / Communication 1.Data : Instantaneous measured value, parameter set and configuration, logged data I.Software 1.Functionality : Downloading of measured values/parameter set, graphical presentation, list format, export to third party software, on-line transfer of measured data 2.Operating systems : should be compatible with Windows operating system J.Accessories 1. External power supply 230 V, 50Hz/12 V, 1.2 A; IP 30 2. Power adapter 12 V, 2 A 3. Leather carrying case 4. Cable extension 3 m, 5 m, 10 m or 20 m 5. Sensor positioning rail for sensors made of stainless steel		

Special Notes : 1. The bidder must submit technical literature / catalogue of the offered product in duplicate along with the offer, failing which offer may be liable for rejection.

2. MATERIAL SHOULD BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM THE DATE

OF COMMISSIONING FOR ANY MANUFACTURING DEFECT/OPERTING MALFUNCTION.

3.MATERIAL SHOULD BE PROCURED FROM MANUFACTURER OR THE AUTHORIZED DEALER ONLY.

4. In case of authorised dealer Valid Dealership certificate must be provided along with the offer, failing which offer will be liable for rejection.

5. SUPPLY SHOULD INCLUDE ACCESSORIES: BATTERY SET, CHARGING UNIT AND POWER SUPPLY, POWER CABLE FOR CHARGING UNIT AND POWER SUPPLY, CARRYING CASE, USER MANUAL, SET OF UNIVERSAL TRANSDUCER FASTENER, REPAIR KIT FOR FASTENING CHAINS, SET OF FASTENING CHAINS FOR FIXING ELEMENTS. PLEASE CONFIRM.

6.MATERIAL SHOULD BE COMMISSIONED AND TRAINING TO BE IMPARTED TO OIL ENGINEERS AT DULIAJAN. PLEASE CONFIRM.

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Tender issued to following parties only:

Slno	V_Code	Vendor Name	City/Country
1	200641	CHEMTROLS INDUSTRIES LTD.	MUMBAI
2	200929	FORBES MARSHALL ARCA PVT. LTD.	PUNE
3	201151	TOSHNIWAL ENTERPRISES	KOLKATA
4	201652	ROCKWIN FLOW METER INDIA PVT LTD	NEW DELHI
5	203313	KROHNE MARSHALS PVT. LTD.	PUNE
6	204114	JOST'S ENGINEERING CO. LTD.	KOLKATA
7	204733	CHANDAK INSTRUMENTS PVT. LTD.	NAGPUR
8	204855	ENDRESS HAUSER LTD	KOLKATA
9	205119	CHETAS CONTROL SYSTEMS PVT LTD	PUNE
10	208172	SMART SYSTEMS	DIBRUGARH
11	208925	EARTH TEKNIKSPVT.LTD.	KOLKATA